

# Product data sheet



Product: 1085G  
Reflective 85

4700/0256/002/03.22

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Alloy	<sup>1</sup>	Al 1050 or purer
Hardness	<sup>2</sup>	hard

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Treatment front side	(S1)	brightened, anodised
Treatment reverse side	(S2)	anodised

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## Supply form

Metal Thickness	[mm]	Coil, strip, sheet, blanks 0,4-0,5
Width up to	[mm]	1250,00

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## Optical Values

hemispheric solar reflectance	[%]	87 ± 2
diffuse solar reflection	[%]	8 ± 4

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## Mechanical Properties

Tensile strength Rm	[MPa]	>100
Yield strength Rp 0,2	[MPa]	>90
Elongation at break A50	[%]	2
Bending radius		2.00 - 10.00

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## Tolerances

Metal Thickness	[mm]	± 0,04
max Width/Coil	[mm]	+ 3,00 / - 0,00
Width Slit Coil	[mm]	± 0,20 standard
Longitudinal Curvature	[mm]	1,00 on a measuring length of 1000 mm
Length	[mm]	0 - 600 + 1,00 / - 0,00
	[mm]	601 - 1500 + 1,50 / - 0,00
	[mm]	1501 - 2500 + 2,50 / - 0,00
	[mm]	2501 - 3500 + 3,50 / - 0,00
Flatness	[%]	2 % of wavelength
Transversal Divergency	[mm]	1,5 (D1-D2) other tolerances on request

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## Protective Film

Protective Film Type	[-]	PE - Film
Protective Film Thickness	[µm]	50 - 60

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diffuse and hemispheric Refection is measured according  
[https://www.solarpaces.org/wp-content/uploads/202004\\_SolarPACES-Reflectance-Guidelines-V3.1.pdf](https://www.solarpaces.org/wp-content/uploads/202004_SolarPACES-Reflectance-Guidelines-V3.1.pdf)

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<sup>1</sup> based on DIN EN 573-3 (Aluminium) resp. Rolling mill standard

<sup>2</sup> based on DIN EN 485-2 (Aluminium) resp. Rolling mill standard

